

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (original) A wireless LAN access point comprising:  
a directional antenna;  
an interference detector detecting interference effected by another wireless LAN access point on said directional antenna; and

a direction adjusting mechanism adjusting a maximum gain direction of said directional antenna in response to said detected interference.

2. (original) The wireless LAN access point according to claim 1, further comprising a control unit determining an optimized direction in response to the detected interference,

wherein said direction adjusting mechanism adjusts a maximum gain direction of the directional antenna to the optimized direction, and

wherein said control unit determines said optimized direction such that said directional antenna is free from said interference effected by said other wireless LAN access point.

3. (original) The wireless LAN access point according to claim 2, wherein said interference detector detects a strength of said interference from said other wireless LAN access points,

and

wherein said controller unit determines said optimized direction in response to said detected strength of said interference.

4-13. (cancelled)

14. (original) A method for operating a wireless LAN access point including a directional antenna, said method comprising:

detecting interference effected on said directional antenna by another wireless LAN access point;

determining an optimized direction in response to said detected interference; and

adjusting a gain maximum direction to said optimized direction so that said directional antenna is free from said interference.

15. (original) A method for operating a wireless LAN access point including a directional antenna, said method comprising:

detecting a strength of interference effected on said directional antenna by another wireless LAN access point;

determining an optimized direction in response to said detected strength of said interference; and

adjusting a gain maximum direction to said optimized direction.

16-19. (cancelled)